

**SYSTEM AND METHOD FOR DETERMINING  
THE DATA RATE OF A DIGITAL DATA STREAM**

**ABSTRACT**

A system and method for determining a minimum pulse width for a digital data stream is described herein. The minimum pulse width is used to infer the data rate for the digital data stream. A measuring cell is used to measure the pulse widths by utilizing RC time constants. The measuring cell comprises a capacitor whose voltage is related to the pulse width. This voltage is then transferred by the measuring cell to a measurement node which determines the minimum pulse width of all the transferred voltages for the plurality of pulses.